

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 3

**Complete if Known**

Application Number	10/821,621
Filing Date	09 April 2004
First Named Inventor	Elias J. Corey
Art Unit	1626
Examiner Name	Not Yet Assigned- Robert Shiao
Attorney Docket Number	004979-00045

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
RS		US-2003-0157695A1	08/21/03	Fenical et al.	
		US- 6,645,999	11/11/03	Schreiber et al.	
		US- 6,566,553	05/20/03	Soucy et al.	
		US- 6,458,825	10/01/02	Fenteany et al.	
		US- 6,335,358	01/01/02	Fenteany et al.	
		US- 6,294,560	09/25/01	Soucy et al.	
		US- 6,214,862	04/10/01	Fenteany et al.	
		US- 6,147,223	11/14/00	Fenteany et al.	
		US- 6,133,308	10/17/00	Soucy et al.	
		US- 5,869,675	02/09/99	Omura et al.	
RS		US- 5,758,784	05/26/98	Fenteany et al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
RS		WO 96/32105	10/17/1996	Schreiber et al.		

/Rei Tsang Shiao/ (10/17/2006)

Examiner Signature	Date Considered
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Examiner Name	<del>Not Yet Assigned</del> Robert Shiao
Attorney Docket Number	004979-00045

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
RS		Feeling, R.H.; Buchanan, G.O.; Mincer, T.J.; Kauffman, C.A.; Jensen, P.R.; Fenical, W., Angew. Chem. Int. Ed., Salinosporamide A: A highly Cytotoxic Proteasome Inhibitor from a Novel Microbial Source, a Marine Bacterium of the New Genus Salinospora, 2003, 42, 355-357	
		Corey, E.J.; Li, Wei-Dong., Z. Total Synthesis and Biological Activity of Lactacystin, Omuralide and Analogs, Chem. Pharm. Bull., 1999, 47, 1-10	
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		Corey, E. J.; Reichard, G. A., Total Synthesis of Lactacystin, J. Am. Chem. Soc., 1992, 114, 10677-10678	
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		Omura, S., Matsuzaki, K., Fujimoto, T., Kosuge, K., Furuya, T., Fujita, S., Nakagawa, Structure of Lactacystin, a new microbial metabolite which induces differentiation of Neuroblastoma Cells, A, J. Antibiot., 1991, 44, 117-118	
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		Wilson, Elizabeth, K., Plumbing the Ocean Depths for Drugs, Chemical & Engineering News, Volume 81, No. 3, pp. 37-38 (2003)	
		Frank, S. A.; Mergott, D. J., Roush, W. R., The Vinylogous Intramolecular Morita – Baylis – Hillman Reaction: Synthesis of Functionalized Cyclopentenones and Cyclohexenones with Trialkylphosphines as Nucleophilic Catalysts, J. Am. Chem. Soc., 2002, 124, 2404-2405	
RS		Mergott, D.J., Frank, S. A., Roush, W. R., Application of the Intramolecular Vinylogous Morita-Baylis-Hillman Reaction toward the Synthesis of the Spinosyn A Tricyclic Nucleus, Org. Lett., 2002, Vol. 4, No. 18, 3157-3160	

Examiner  
Signature

/Rei Tsang Shiao

Date  
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RS		Aggarwal, V. K., Emme, I., Fulford, S. Y., Correlation between pK <sub>a</sub> and Reactivity of Quinuclidine-Based Catalysts in the Baylis-Hillman Reaction: Discovery of Quinuclidine as Optimum Catalyst Leading to Substantial Enhancement of Scope, J. Org. Chem., 2003, 68, 692-700	
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		Stork, G., Mook, R., Biller, S.A., Rychnovsky, S. D., Free-Radical Cyclization of Bromoacetals. Use in the Construction of Bicyclic Acetals and Lactones. J. Am. Chem. Soc., 1983, 105, 3741-3742	
		Stork, G., Sher, P. M., Chen, H.L., Radical Cyclization-Trapping in the Synthesis of Natural Products. A Simple, Stereoccontrolled Route to Prostaglandin F <sub>2α</sub> . J. Am. Chem. Soc., 1986, 108, 6384-6385	
		Miyake, H., Yamamura, K., Pd(0) Catalyzed Hydrostannation of Conjugated Dienes. A Facile and Highly Regio- and Stereoselective Synthesis of (Z)-2-Alkenylstannanes. Chem. Lett., 1992, 507-508	
		Jones, G. R., Landais, Y., The Oxidation of the Carbon-Silicon Bond, Tetrahedron, 1996, 52, 7599-7662	
		Corey, E. J., Li, W., Nagamitsu, T., An Efficient and Concise Enantioselective Total Synthesis of lactacystin. Angew. Chem. Int. Ed., 1998, 37, 1676-1679	
RS		Corey, E.J., and Wei-Dong, Z., Total Synthesis and Biological Activity of Lactacystin, Omuralide and Analogs, Chem. Pharm. Bull., 1999, 47, 1-10	

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